ABSTRACT

A titanium alloy member is characterized in that it comprise 40% by weight or more titanium (Ti), a IVa group element and/or a Va group element other than the titanium, wherein a summed amount including the IVa group element and/or the Va group element as well as the titanium is 90% by weight or more, and one or more members made in an amount of from 0.2 to 2.0% by weight and selected from an interstitial element group consisting of oxygen, nitrogen and carbon, and that its basic structure is a body-centered tetragonal crystal or a body-centered cubic crystal in which a ratio (c/a) of a distance between atoms on the c-axis with respect to a distance between atoms on the a-axis falls in a range of from 0.9 to 1.1. This titanium alloy member has such working properties that conventional titanium alloys do not have, is flexible, exhibits a high strength, and can be utilized in a variety of products.